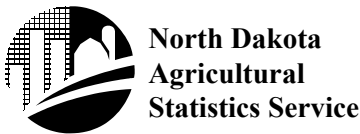


NORTH DAKOTA CROP, LIVESTOCK & WEATHER REPORT



Released: June 21, 2004
For Week Ending: June 20, 2004
ND-CW2504

Cooperating With:
NDSU EXTENSION SERVICE,
FARM SERVICE AGENCY,
ND AG WEATHER NETWORK (NDAWN) and
UND AEROSPACE REGIONAL WEATHER
INFORMATION CENTER

General: Cool temperatures statewide slowed late season crop progress, according to North Dakota State Statistics Service. Much of the western half of the state experienced below freezing temperatures on one or two nights last week. Reporters were concerned about injury to alfalfa and other crops, but said it was too early to evaluate the extent of the damage done. Crop conditions continued to be rated below last year. Warmer temperatures and sunshine are needed to aid crop development. Statewide, on average, there were 5.9 days suitable for fieldwork last week. Spraying for wild oats and broadleaf weeds was 77 and 68 percent complete compared to the five-year average (1999-2003) of 76 and 64 percent last year, respectively. Topsoil moisture supplies were rated 11 percent very short, 13 short, 54 adequate and 22 surplus compared the five-year average (1999-2003) of 3 percent very short, 7 short, 74 adequate and 16 surplus.

Crops: Durum wheat seeding continued to lag behind last year with 90 percent planted compared to 100 for both last year and the average. As of June 20, 2004, durum wheat was 84 percent emerged, approximately one week behind normal. All other small grains were 97 percent emerged.

Sunflowers were 95 percent planted, only 3 percentage points behind last year. Soybeans were 93 percent emerged compared to the average of 95 percent. Canola was 6 percent blooming and beyond by week's end.

Conditions for all crops except potatoes and sugarbeets were rated below the five-year average. Spring and durum wheat conditions were rated 68 and 66 percent good to excellent compared to 87 and 82 percent last year, respectively. Oat condition was 52 percent good to excellent compared to 85 percent last year. Soybean and corn conditions were rated 69 and 68 percent good to excellent.

Livestock: Pasture and range conditions were rated 15 percent very poor, 18 poor, 27 fair, 32 good and 8 excellent compared to the average of 3 percent very poor, 9 poor, 24 fair, 51 good and 13 excellent. Stockwater supplies were rated 4 percent very short, 14 short, 76 adequate and 6 excellent. The hay crop condition was rated 18 percent very poor, 17 poor, 28 fair, 32 good and 5 excellent. First cutting alfalfa was 13 percent complete and other hay baling was 3 percent complete.

Small Grain Development Progress ^{1/}
June 20, 2004 with Comparisons

| Crop | This Week | Last Week | Last Year | 1999-03 Avg. |
|-------------|-----------|-----------|-----------|--------------|
| (Percent) | | | | |
| BARLEY | | | | |
| Emerged | 97 | 93 | 99 | 98 |
| Jointed | 51 | 36 | 68 | 53 |
| Boot | 21 | 6 | 31 | 21 |
| Headed | 4 | 1 | 12 | 6 |
| DURUM WHEAT | | | | |
| Planted | 90 | 84 | 100 | 100 |
| Emerged | 84 | 77 | 99 | 96 |
| Jointed | 35 | 20 | 40 | 29 |
| Boot | 10 | 4 | 12 | 9 |
| Headed | 1 | 0 | 4 | 2 |
| HRS WHEAT | | | | |
| Emerged | 97 | 93 | 99 | 99 |
| Jointed | 57 | 38 | 64 | 57 |
| Boot | 24 | 9 | 34 | 26 |
| Headed | 7 | 1 | 12 | 8 |
| OATS | | | | |
| Emerged | 97 | 93 | 99 | 99 |
| Jointed | 63 | 41 | 62 | 56 |
| Boot | 24 | 8 | 26 | 24 |
| Headed | 6 | 1 | 5 | 6 |

^{1/} Crop development percents represent all acreage in or beyond each stage.

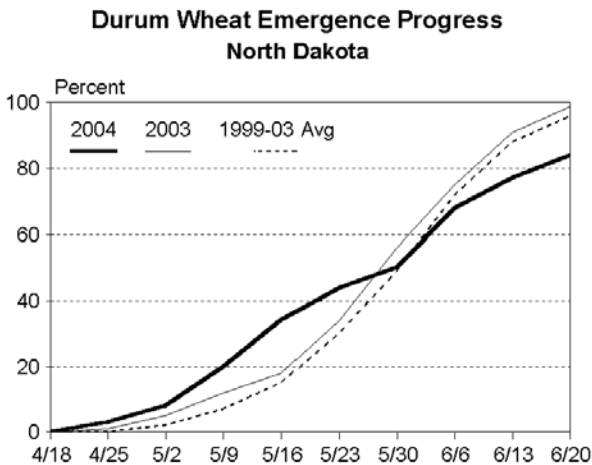
Late Season Crop Development Progress ^{1/}
June 20, 2004 with Comparisons

| Crop | This Week | Last Week | Last Year | 1999-03 Avg. |
|------------------|-----------|-----------|-----------|--------------|
| (Percent) | | | | |
| CANOLA | | | | |
| Planted | 99 | 93 | 100 | 100 |
| Emerged | 97 | 84 | 99 | 98 |
| Rosette | 28 | 9 | 69 | 62 |
| Blooming | 6 | NA | 19 | 11 |
| DRY EDIBLE BEANS | | | | |
| Planted | 97 | 89 | 99 | 100 |
| Emerged | 77 | 56 | 88 | 92 |
| FLAXSEED | | | | |
| Planted | 96 | 88 | 99 | 100 |
| Emerged | 90 | 78 | 97 | 97 |
| POTATOES | | | | |
| Emerged | 84 | 60 | 86 | 89 |
| SOYBEANS | | | | |
| Planted | 100 | 96 | 100 | 99 |
| Emerged | 93 | 82 | 96 | 95 |
| SUNFLOWER | | | | |
| Planted | 95 | 86 | 98 | 99 |
| Emerged | 72 | 51 | 79 | 82 |

^{1/} Crop development percents represent all acreage in or beyond each stage. NA = Not Available

Crop and Pasture Condition
Week Ending June 20, 2004

| Crop | Very Poor | Poor | Fair | Good | Excellent |
|-------------------|-----------|------|------|------|-----------|
| (Percent) | | | | | |
| Barley | 2 | 7 | 21 | 51 | 19 |
| Durum Wheat | 2 | 8 | 24 | 62 | 4 |
| HR Spring Wheat | 2 | 8 | 22 | 50 | 18 |
| Oats | 4 | 12 | 32 | 45 | 7 |
| Canola | 3 | 5 | 28 | 52 | 12 |
| Corn, All | 2 | 4 | 26 | 61 | 7 |
| Dry Edible Beans | 1 | 3 | 37 | 53 | 6 |
| Flaxseed | 3 | 6 | 32 | 54 | 5 |
| Potatoes | 1 | 1 | 31 | 55 | 12 |
| Soybeans | 1 | 3 | 27 | 62 | 7 |
| Sugarbeets | 1 | 3 | 26 | 63 | 7 |
| Sunflower | 3 | 6 | 37 | 49 | 5 |
| Hay | 18 | 17 | 28 | 32 | 5 |
| Pasture and Range | 15 | 18 | 27 | 32 | 8 |



~ Compiled and Published by ~

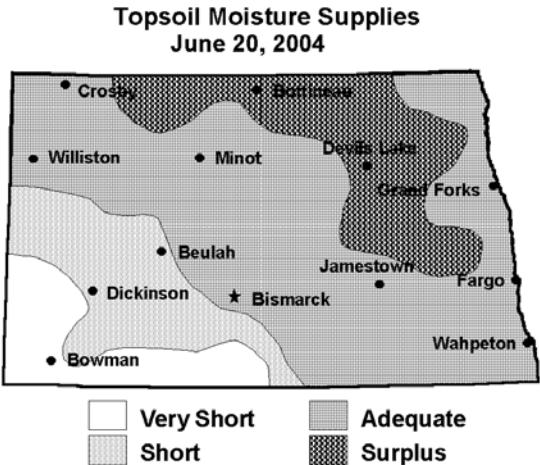
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NORTH DAKOTA CROP WEATHER REPORT, Week Ending June 20, 2004

Soil Moisture: North Dakota, June 20, 2004

| Date | Very Short | Short | Adequate | Surplus |
|-------------|------------|-------|----------|---------|
| (Percent) | | | | |
| TOPSOIL | | | | |
| This Week | 11 | 13 | 54 | 22 |
| Last Week | 11 | 9 | 54 | 26 |
| Last Year | 2 | 7 | 78 | 13 |
| 1999-03 Avg | 3 | 7 | 74 | 16 |
| SUBSOIL | | | | |
| This Week | 14 | 14 | 50 | 22 |
| Last Week | 14 | 14 | 51 | 21 |
| Last Year | 2 | 12 | 75 | 11 |
| 1999-03 Avg | 2 | 10 | 74 | 14 |



Weather: Cooler than normal temperatures prevailed during the week. Average temperatures ranged from 6 to 11 degrees below normal. This was a result of overnight lows dipping down into the 30s and daytime highs mainly in the 70s. The state also experienced a rather dry week. Rainfall amounts for the week ranged from 0.00 to 0.70 of an inch. Even with the previous excessive rainfall amounts in some areas, much of the state is still below normal in rainfall for this time of year.

Outlook, June 21-27: Look for unseasonably cooler temperatures to continue this week with daytime highs mainly in the 60s with a few 70s towards the end of the week. Overnight lows will continue to fall into the 40s. Conditions do not look too favorable for significant rainfall. Eastern North Dakota may receive a few rain showers early in the week with the central portion of the state having a chance for some rain later in the week.

Temperature & Precipitation: Districts and Stations
North Dakota, Week ending June 20, 2004

| District Averages | Average Temperature | | Seasonal Precipitation Beginning April 1 | | |
|---|------------------------|--------------------------------|---|-------|--------------------------------|
| | Past Week | Depart Normal ^{1/} | Past Week | Total | Depart Normal ^{1/} |
| (Degrees F) (Inches) | | | | | |
| Northwest (1) | 54 | -8 | 0.28 | 5.55 | -0.07 |
| N. Central (2) | 54 | -10 | 0.29 | 7.83 | 1.84 |
| Northeast (3) | 57 | -7 | 0.24 | 6.27 | 0.54 |
| W. Central (4) | 53 | -11 | 0.10 | 3.08 | -3.34 |
| Central (5) | 57 | -8 | 0.29 | 7.43 | 1.04 |
| E. Central (6) | 59 | -6 | 0.38 | 6.86 | 0.36 |
| Southwest (7) | 53 | -10 | 0.03 | 1.90 | -4.88 |
| S. Central (8) | 55 | -9 | 0.13 | 3.68 | -2.49 |
| Southeast (9) | 59 | -6 | 0.31 | 7.55 | 1.08 |

^{1/} Normal is the 1961-90 average. NA = Not Available.
Weather data collected from NDAWN stations and compiled by UND
Aerospace Regional Weather Information Center.

Temperature & Precipitation: Districts and Stations
North Dakota, Week ending June 20, 2004

| Stations by District | Temperature Past Week | | Seasonal Precipitation Beginning April 1 | | |
|---|--------------------------|-----|---|-------|--------------------------------|
| | High | Low | Past Week | Total | Depart Normal ^{1/} |
| (Degrees F) (Inches) | | | | | |
| (1) Bowbells | 70 | 36 | 0.19 | 5.80 | 0.22 |
| Williston | 73 | 34 | 0.01 | 3.88 | -0.92 |
| Mohall | 71 | 38 | 0.36 | 6.44 | 0.62 |
| Minot | 75 | 36 | 0.54 | 6.08 | -0.19 |
| (2) Baker | 73 | 38 | 0.27 | 8.22 | 1.47 |
| Bottineau | 71 | 34 | 0.37 | 7.60 | 1.73 |
| Rugby | 74 | 36 | 0.22 | 7.66 | 2.32 |
| (3) Cando | 73 | 38 | 0.43 | 6.28 | 0.70 |
| Cavalier | 76 | 38 | 0.19 | 6.71 | 0.72 |
| Forest River | 79 | 40 | 0.22 | 6.08 | 0.02 |
| Grand Forks | 79 | 38 | 0.02 | 5.25 | -0.27 |
| Langdon | 72 | 37 | 0.29 | 7.26 | 2.08 |
| St. Thomas | 79 | 40 | 0.27 | 6.02 | -0.04 |
| (4) Hazen | 76 | 30 | 0.17 | 2.60 | -4.32 |
| Turtle Lake | 75 | 34 | 0.13 | 2.90 | -3.52 |
| Watford City | 73 | 34 | 0.00 | 3.75 | -2.19 |
| (5) Carrington | 77 | 38 | 0.22 | 7.45 | 1.03 |
| Harvey | 77 | 38 | 0.20 | 6.80 | 0.21 |
| Jamestown | 76 | 41 | 0.27 | 7.92 | 2.17 |
| Robinson | 74 | 36 | 0.35 | 7.19 | 0.81 |
| Streeter | 74 | 36 | 0.40 | 7.77 | 1.00 |
| (6) Dazey | 77 | 43 | 0.70 | 7.78 | 1.29 |
| Fargo | 79 | 39 | 0.38 | 6.64 | 0.23 |
| Hillsboro | 80 | 39 | 0.06 | 6.17 | -0.44 |
| (7) Beach | 74 | 31 | 0.01 | 1.42 | -4.54 |
| Bowman | 75 | 30 | 0.05 | 2.74 | -4.15 |
| Dickinson | 78 | 32 | 0.02 | 2.06 | -4.82 |
| Hettinger | 78 | 30 | 0.02 | 1.38 | -6.00 |
| (8) Mandan | 77 | 34 | 0.00 | 2.81 | -2.96 |
| Linton | 77 | 34 | 0.25 | 4.55 | -2.02 |
| (9) Edgeley | 76 | 42 | 0.59 | 7.90 | 1.13 |
| Oakes | 76 | 41 | 0.25 | 7.07 | 0.55 |
| Wyndmere | 77 | 42 | 0.08 | 7.68 | 1.57 |

^{1/} Normal is the 1961-90 average. NA=Not Available. Weather data collected
from NDAWN stations and compiled by UND Aerospace Regional Weather
Information Center.